

Listing of Claims:

1. (Currently Amended) A computer-implemented method comprising:
generating a desired directory extension;
generating an aggregatable software object to implement the desired directory extension using a predetermined software object framework having a class identification and one or more interfaces, each interface having an interface identification;
inputting the generated aggregatable software object;
associating one of a directory class and a directory attribute to the class identification of the aggregatable software object, as stored in a first server location comprising a directory of the one of a directory class and a directory attribute; ~~and~~
replicating the association stored in the first server location to a second server location;
querying the one of the directory class and the directory attribute to expose the one or more interfaces of the aggregatable software object; and
creating an instance of the aggregatable software object upon querying the one of the directory class and the directory attribute.
2. (Cancelled)
3. (Cancelled)
4. (Currently Amended) The method of claim 2 1, further comprising invoking one of the one or more interfaces of the aggregatable software object via the interface identification of the one or more interfaces.

5. (Original) The method of claim 4, further comprising creating an instance of the aggregatable software object upon invoking the one of the one or more interfaces of the aggregatable software object.
6. (Previously Presented) The method of claim 1, wherein inputting an aggregatable software object comprises:
 - creating the aggregatable software object, including assigning the class identification to the aggregatable software object; and,
 - creating and implementing the one or more interfaces of the aggregatable software object; including assigning the interface identification for each interface.
7. (Original) The method of claim 1, where the predetermined software object framework comprises the Component Object Model (COM) framework.
8. (Original) The method of claim 1, wherein the one of a directory class and a directory attribute is consistent with one of Lightweight Directory Access Protocol (LDAP), Novell Directory Services (NDS), and NT Directory Services.
9. (Original) The method of claim 1, wherein the one of a directory class and a directory attribute comprises a directory class.
10. (Original) The method of claim 1, wherein the one of a directory class and a directory attribute comprises a directory class attribute.
11. (Cancelled)
12. (Cancelled)

13. (Cancelled)
14. (Cancelled)
15. (Cancelled)
16. (Cancelled)
17. (Cancelled)
18. (Currently Amended) A machine-readable medium having instructions stored thereon for execution by a processor to perform a method comprising:
 - generating a desired directory extension for a directory service, wherein the directory extension adds extended functionality to the directory service;
 - generating an aggregatable software object to implement the desired directory extension using a predetermined directory framework having a class identification and one or more interfaces, each interface having an interface identification;
 - inputting the generated aggregatable software object;
 - associating one of a directory class and a directory attribute to the class identification of the aggregatable software object, as stored in a first server location comprising a directory of the one of a directory class and a directory attribute; and
 - replicating the association stored in the first server location to a second server location;
 - querying the one of the directory class and the directory attribute to expose the one or more interfaces of the aggregatable software object; and

creating an instance of the aggregatable software object upon querying the one of the directory class and the directory attribute.

19. (Cancelled)

20. (Cancelled)

21. (Original) The medium of claim ~~19~~ 18, further comprising invoking one of the one or more interfaces of the aggregatable software object via the interface identification of the one or more interfaces.

22. (Original) The medium of claim 21, further comprising creating an instance of the aggregatable software object upon invoking the one of the one or more interfaces of the aggregatable software object.

23. (Original) The medium of claim 18, wherein inputting an aggregatable software object comprises:

creating the aggregatable software object, including assigning the class identification to the aggregatable software object; and,

creating and implementing the one or more interfaces of the aggregatable software object, including assigning the interface for each interface.

24. (Cancelled)


25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Cancelled)

29. (Cancelled)



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